

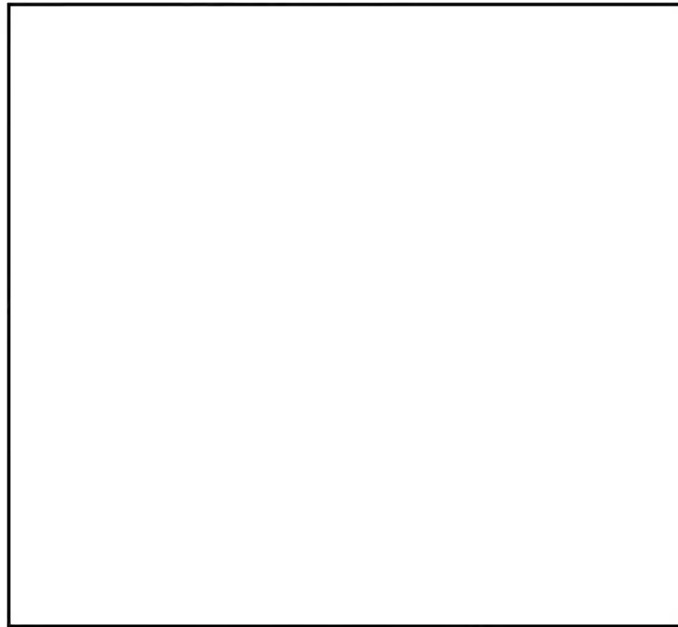
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Referral review completed by NIMA 3/1/01

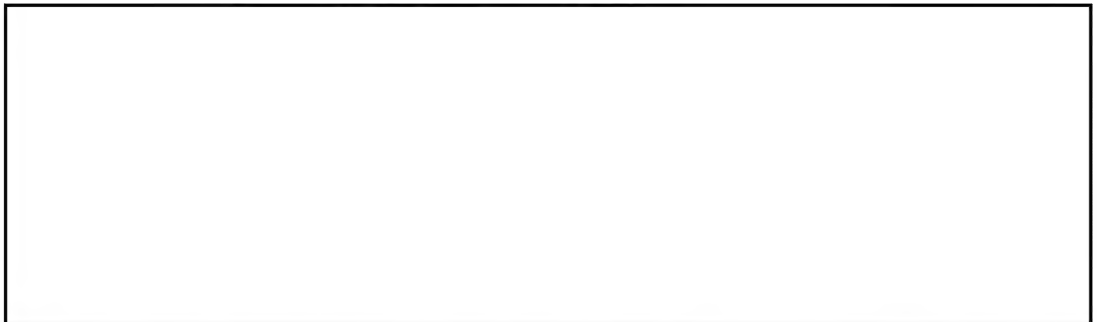
NRO REVIEW COMPLETED COMIREX MAPPING, CHARTING AND GEODESY WORKING GROUP

Minutes of Meeting Held in Room 2D921
Pentagon
1200-1445 Hours, 30 January 1970

PRESIDING



CONSULTANTS PRESENT



1. Purpose of Meeting: The Chairman indicated the purpose of the meeting was to cover the four items set forth in the agenda, dated 26 February 1970, which was forwarded all members; in addition the Chairman addressed three additional items as follows:



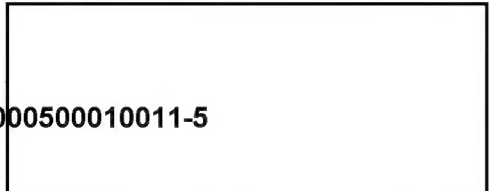
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5. Planning for KH-4B Frame Photography with Doppler for Positioning and Mapping and Charting.

a. As background [redacted] mentioned that the requirements for KH-4B DISIC coverage had been reviewed 6 months ago to give priority to areas currently in mapping and charting production. Except for certain special requirements [redacted] these requirements had remained in effect. However, in view of the need to carefully plan for missions including the Doppler Beacon beginning approximately 18 February, the mapping and charting requirements have now been updated in keeping with all areas planned for production in the next three to four years. In general the current problem was to examine both the positioning requirements inside the Sino Soviet and the long range mapping and charting requirement outside the Sino Soviet area to establish the percentage of free-wheeling DISIC coverage that would be allotted to positioning versus mapping and charting. In order to evaluate this situation it was recognized that analysis information by the NRO would be necessary. The individual targets by priority requiring positioning improvement had been consolidated by USAF and furnished to DIA. These were furnished to NRO with a request asking that alternative evaluations be made planning to cover as many targets during the search surveillance activities as possible and devoting some percentage of the free-wheeling photography to positioning inside the Sino Soviet. Specific request was made as to what would result from using 50% of the free-wheeling DISIC for positioning inside the Sino Soviet and 50% for MC&G outside the Sino Soviet. [redacted] described the targets which had been received from USAF. [redacted] of DIA and [redacted] of Army, described the updating that had been done primarily for mapping and charting outside the Sino Soviet. It was pointed out that area requirements outside the Sino Soviet would be affected differently



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by the fact that the Doppler coverage presented an additional capability beyond merely the frame camera for mapping and charting. Consequently some of the areas currently in work of poor positional quality became important requirements for Doppler coverage.

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b. [] of NRO presented the results of his analysis. There were about 5900 separate positional targets involved, many of which were grouped into relatively local areas. In analyzing which of these targets would be covered automatically by the search coverage he developed data assuming perfect weather showing that about 4000 targets would possibly be covered because of targets on the HPA list and the overdue search areas. This left about 1900 targets that would not be included and should be considered for free-wheeling coverage. Based on 50-50 division of free-wheeling DISIC between positioning targets and mapping-charting outside Sino Soviet, he indicated that the 1900 targets were located such that there would be an average of 2 accesses per target which, based on a 45% weather probability, would amount to about 70% of the 1900 or about 1350 targets. Using both the coverage and weather probabilities for the HPA list and the overdue search areas he concluded that about 1000 targets would be covered automatically by the search collection operation. Totalling these two numbers he arrived at approximately 2350 targets which would be covered by mission 1109 which constitutes about 40% of the total number of targets.

c. In view of the priority of the positioning problem and the present coverage of 3" frame camera coverage outside the Sino Soviet, proceeding on the 50% free-wheeling coverage basis was considered a good balance.

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It was concluded that the NRO should take reasonable steps to increase the emphasis on target positioning in the Sino Soviet. (Note: In subsequent actions [] resolved practical steps in line with the discussion in the MCGWG. These included providing for coverage of targets on the free wheeling DISIC as well as planning to obtain them

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through the HPA search coverage and secondly removing the lower priority MC&G requirements outside the Sino Soviet for those portions of Eurasia East of 28° E. Because the DISIC does not operate on a short burst, the result of this latter step is to decrease the film devoted to lower priority mapping and charting areas on those revolutions that collect against targets in the Sino Soviet. The net effect of these reductions is to approximate 60% of the free wheeling coverage devoted to positioning inside the Sino Soviet and 40% devoted to mapping and charting outside the Sino Soviet). It was recognized that planning being done was necessarily approximate but worthwhile, and that a thorough review after mission 1109 should be made and presented in the COMIREX MCGWG. Insofar as practical in view of all factors the NRO will attempt to cover positioning targets during search surveillance collection.

6. KH-4 Frame and Panoramic Collection Requirements and Priorities for Mission 1109.

Very little time was available for action on this item, however [redacted] mentioned that while the collection requirements would remain substantially the same the priorities would be modified to some extent to include significantly larger 1st priority areas compared to mission 1108. This change was based on large areas currently in production and the impact of revised JSOP priorities on the areas in concern. While time was not available for discussion of how much film could be allotted to MC&G requirements outside the Sino Soviet, previous discussion with ICRS indicated planning consistent with mission 1108.

Chairman
COMIREX MC&G Working Group

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